

Additional Questions and Answers  
Solicitation W9128F-04-R-0003  
ADAL USAF Hospital  
USAF Academy

**The following questions and answers are provided for informational purposes only.**

Q199. The medical gas systems were designed to maintain fully functional system I areas where no work is being performed.

A199. The following will added to specification section 1540A, PLUMBING, HOSPITAL, paragraph 3.20.a: "Certification must be provided prior to operation of portions of a completed system. Recertify each system after total system installation has been completed.

Q200. Please clarify external insulation requirement for Concealed Rectangular Supply Air ductwork. Section 15080A page 23 Paragraph 3.3.2 provides for round/oval ductwork to be provided with flexible type, minimum density 3/4 pcf with a factory Type I or II jacket.

May we provide typical flexible type duct insulation wrap for Concealed Rectangular Supply Air ductwork?

A200. Provide what's allowed by the specifications.

Q201. Can you give me some direction with regard to the medical gas installation for the Modular Building. These gases will be field installed in the unheated crawl space or exposed at the ceiling area. Which is acceptable? If the gases are in the unheated crawl space, is there a concern about below freezing temperatures? I am most concerned about the Dental Vacuum since it transfers fluids. Should it be heat traced and insulated?

A201. There is no concern for any of the medical gas piping except for the dental oral evacuation vacuum piping. We will add to Spec Section 15405A the requirement to use heat-tracing cables for dental oral evacuation vacuum piping as specified in 15405A, 2.1.2k and insulate the piping the same as for hot water piping in accordance with 15080A, section 2.2.2.

Q202. While the drawings give UL Design numbers, neither the specs nor the drawings appear to spell out the desired hourly fire ratings for the following components:

Floor assemblies  
Floor beams  
Roof assemblies  
Roof beams

Could you please point me to what I'm overlooking, or else give clarification regarding the hourly ratings?

A202. Add the following note to drawing numbers A8-18, A8-19 and A8-20.

"ALL UL DESIGN NUMBERS P711 SHALL HAVE A 2 HOUR RATING."

Add the following note to drawing number A8-3, A8-4, A8-6 and A8-8.

"ALL FLOOR ASSEMBLIES SHALL BE U.L. DESIGN NUMBER D705 AND SHALL HAVE A 2 HOUR RATING."

Q203. Can you give me some direction with regard to the medical gas installation for the Modular Building. These gases will be field installed in the unheated crawl space or exposed at the ceiling area. Which is acceptable? If the gases are in the unheated crawl space, is there a concern about below freezing temperatures? I am most concerned about the Dental Vacuum since it transfers fluids. Should it be heat traced and insulated?

A203. There is no concern for any of the medical gas piping except for the dental oral evacuation vacuum piping. We will add to Spec Section 15405A the requirement to use heat-tracing cables for dental oral evacuation vacuum piping as specified in 15405A, 2.1.2k and insulate the piping the same as for hot water piping in accordance with 15080A, section 2.2.2.

Q204. Section 15895a Pg. 13 Paragraph 2.7.6 states that louvers associated with the air supply and distribution system shall be as specified in Section 07600A. Is it the intent of that paragraph that any louver which has HVAC ductwork connected to it, be furnish and installed by Div. 15?

A204. The Omaha District can not answer your question as it is dependent upon how proposing General Contractors structure their proposal packages.

Q205. I called a specific supplier over a week ago and this a specific individual who knew nothing of the project. I informed him the nurse call revolved around his spec, the headwalls and power columns I needed a price on also and asked him some questions regarding installation. He was going to get the drawings, do a job walk and get his b.o.m. together and quote this project.

I called him twice last week with him returning my call late this morning and he still knows nothing about this project and hasn't started it. Is a brand name specified correct? I have a few other companies quoting nurse call but they are not quoting a specific brand name. I did find one small UPS station at a nurse call desk. It plugs into 120v power.

A205. The supplier did call today (3/8/04), however please realize that the Government does not specify "brand name" equipment. The Government may have "designed" around a specific product, but the nurse call would be an "or equal" type item.

Q206. For purposes of determining what density of fireproofing is required as is outlined in the specs, is the steel in the crawl space under Block #2 considered "concealed" or "exposed"?

A206. Concealed.

Q207. Are the W-steel columns in the crawl space and the Tube-steel columns for the clearstory roof to be 3 hrs., even though the roof and floor assemblies are 2 hrs.?

A207. Amendment No. 0004 clarified the rating required..